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 BASE COUNT 358 a 295 c 366 g 346 t
 ORIGIN

Alignment Scores:
 Pred. No.: 0.00018
 Score: 15.00
 Percent Similarity: 100.00%
 Best Local Similarity: 100
 Query Match: 100
 Matches: 56425
 Conserva: 15
 Mismatches: 0
 Indels: 0
 Gaps: 0

US-09-540-209B-9306 (1-546) x AF165214 (1-56425)

Qy 428 SerapeleuAerGluSerGlyAlaIleGluGlnAerPalaasp 441

Db 1144 TCAGATTTCGTGATCGAGCAATTCGAGCAGCGAC 1185

RESULT 11
 AF229443 1395 bp DNA linear BCT 14-09-2001

LOCUS Bp1011592 1365 bp DNA linear PHG 01-OCT-1998

DEFINITION Bacteriophage P1 ban gene.

ACCESSION AJ011592

VERSION AJ011592.1 GI:3688226

KEYWORDS ban gene; helicase.

SOURCE Enterobacteria phage P1

ORGANISM Enterobacteria phage P1

REFERENCE 1 (bases 1 to 1395)

AUTHORS Ziegelin, G., Velleman, M., Reick, T. and Lanka, E.

TITLE Nucleotide sequence of the bacteriophage P1 ban helicase gene

REFERENCE 2 (bases 1 to 1365)

AUTHORS Ziegelin, G.

TITLE Direct Submission

JOURNAL Submitted (29-SEP-1998) Ziegelin G., Abteilung Lehrnach,

Max-Planck-Institut fuer Molekulare Genetik, Innestrasse 73,

Berlin, D-14195, GERMANY

FEATURES

source

1. 1365

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/vifion

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1. 1365

/gene="ban"

1. 1365

/function="helicase"

/codon_start=1

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/db_xref="GI:3688227"

/db_xref="SPTREMBL:O80281"

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PDIASILDATVSRILELFOEPHDVETGLDTFTDLNKTGTLQSLDIIVAAKRSWG

KTFPAMLVENAAVNRDKVLFVLSMESHQKARVSLAVALDPTRIITVAAKRSWG

ARVSGAMGLDKONIFIDSSALPTPELSARAVYKNGSLIMWIDYOLMKEVP

LDNRTLEIAEISIKALAKELQVVALQSLSNLEFORADKRPVNSDIAESGALIO

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QEDY"

4. 1362

met_peptide

/gene="ban"
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 BASE COUNT 358 a 295 c 366 g 346 t
 ORIGIN

Alignment Scores:
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 Best Local Similarity: 100.00%
 Query Match: 2.56%
 Matches: 1365
 Conserva: 14
 Mismatches: 0
 Indels: 0
 Gaps: 0

US-09-540-209B-9306 (1-546) x Bp1011592 (1-1365)

Qy 428 SerapeleuAerGluSerGlyAlaIleGluGlnAerPalaasp 441

Db 1144 TCAGATTTCGTGATCGAGCAATTCGAGCAGCGAC 1185

RESULT 11
 AF229443 1395 bp DNA linear BCT 14-09-2001

LOCUS Bp1011592 1395 bp DNA linear BCT 14-09-2001

DEFINITION Pseudomonas aeruginosa replicative DNA helicase DnaB (dnaB) gene,

complete cds.

ACCESSION AF229443

VERSION AF229443.1 GI:12642367

KEYWORDS Pseudomonas aeruginosa

SOURCE Pseudomonas aeruginosa

ORGANISM Pseudomonas aeruginosa

REFERENCE 1 (bases 1 to 1395)

AUTHORS Caspi, R., Consiglieri, G., Helinski, D.R., Toukarian, A.

TITLE A broad host range replicon with different requirements for

replication, initiation in three bacterial species

JOURNAL EMBO J. 20 (1992), 3262-3271 (2001)

REFERENCE 2 (bases 1 to 1395)

AUTHORS Caspi, R., Consiglieri, G., Helinski, D.R., Pacek, M. and Konieczny, I.

TITLE Isolation, sequencing and expression of the DnaB replicative

helicases from two Pseudomonas species

JOURNAL Unpublished

3 (bases 1 to 1395)

AUTHORS Caspi, R.

TITLE Direct Submission

JOURNAL Submitted (28-JAN-2001) Biological Department, University of

California in San Diego, 9500 La Jolla Village Drive, La Jolla, CA

92093-0322, USA

FEATURES

source

1. 1395

/organism="Pseudomonas aeruginosa"

/mol_type="genomic DNA"

/strain="PAO116"

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1. 1395

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1. 1395

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KTFPAMLVENAAVNRDKVLFVLSMESHQKARVSLAVALDPTRIITVAAKRSWG

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DADLMFLYRDEYVHPDSEMKCIAEVIIGKNGEITGTRLAFNQYISRFNDYAGADH

QEDY"

4. 1362

met_peptide